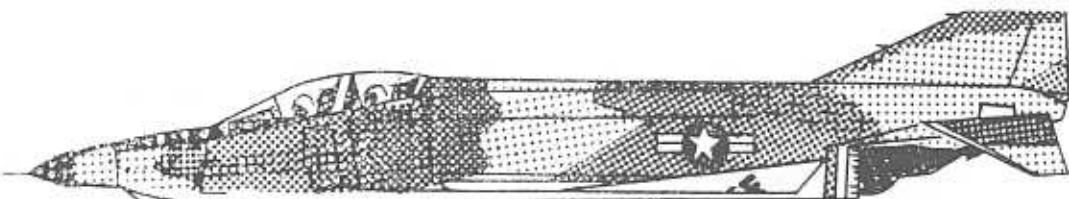




THE PHANTOM'S EYE



123d Tactical Reconnaissance Wing

Standiford Field (ANG), Louisville, Ky. 40213

Saturday, June 1, 1985

Volume 1, No. 4

123rd TRW participates in reconnaissance evaluation

By Capt. Jeff Butcher
Public Affairs Officer

Elgin AFB, Fla — Air-to-air and ground-to-air tactics evaluation by Air Guard reconnaissance aircrews and their aggressor forces was paramount during a three-day Tactical Air Warfare Center sponsored activity over the Florida panhandle in April 1985.

It was a first for an autonomous Air National Guard detachment. Friendly forces were from the 123rd Tactical Reconnaissance Wing, Standiford Field, Louisville, Ky. The highly sophisticated look-see was under the careful guidance of TAWC's 4485th Test Squadron, who also provided the aggressor forces.

The Reconnaissance Evaluation Program had previously logged only two validation REPs and two regular REPs. The evaluations of current reconnaissance represented an evolution for Recce dating back more than two decades.

"We in the Recce community are very excited about the long awaited REP," explained Maj. Lloyd B. Rowland, REP director. "The first reconnaissance exercise took place at Elgin in December 1983, and since then, each REP has become more refined."

Essentially, what has emerged is a complete circle of support activities for the Tactical Air Force units. Prior to 1983 the fighter units had tactical evaluation for the fighter weapons school and the weapons system evaluation program feeding data to the units via the multi-command manual/tactical development and evaluation. Recce units did not have similar TAF support units.

During the early 1980s, Boise, Idaho became the home of the reconnaissance weapons school and REP was formed. The parallels for fighter and Recce were now complete, providing a comprehensive input into the MCM 3-1.

see page 4



Captains John Fanning and Pete Kayser
review flight plans before take off.

Guard honors local employers

Today more than 1.4 million men and women serve in the National Guard and Reserve, and support by employers is critical to their ability to respond to a national emergency. Unless these men and women are allowed time off for training, they cannot meet the demanding readiness requirements imposed by high technology and new missions.

At wing formation during May's unit training assembly here, the 123rd Tactical Reconnaissance Wing honored 13 local employers for their distinguished contributions to the national defense.

Brig. Gen. John L. Smith, 123rd TRW commander, presented the awards and

commended the employers on behalf of the committee and the KyANG.

"More than 40 percent of the nation's 'total force' is made up of guards and reservists," said General Smith. "And the positive attitudes and personnel policies these employers display, are critical when making decisions about their continued service."

The National Committee for Employer Support of the Guard and Reserve conducts the awards program that honors employers who support a strong Guard and Reserve force. Although federal law requires employers to grant excused absences to

Guard and Reserve members for military training, simple compliance with the law does not qualify an employer for the award. The employer must demonstrate additional, voluntary measures that make it easier for employees to stay in the Guard and Reserve.

The committee's top honor to Kentucky employers was the State Chairman's Award, presented to The Kentucky Builders and Remodelers, Inc., for their meritorious leadership and initiative in support of the men and women to serve America in the Guard and Reserve. Accepting the award for the KB&R was Jim Overstreet.

Commander's Column



Brig Gen John L. Smith
123rd TRW Commander

I realize many of you feel that the subject of AFR 35-10 has been beaten to death. Well, we're about to beat it some more.

You cannot overemphasize the importance of military bearing, appearance and courtesy.

There has been a serious decline over the past few months in the emphasis placed on AFR 35-10, and it is very obvious that there must be an on-going, conscious effort to keep the hair in limits, the uniforms crisp and the shoes shined. Your overall appearance must be top-notch and impeccable. You are the Air National Guard!

Beginning this UTA, I will be visiting one unit each month to inspect personnel for compliance with AFR 35-10. The visits will be unannounced.

Why unannounced? In order to see how our unit personnel come to drill

—not to see how they look after they're sent to the barber because "the general is on his way!"

My policy is clear. I've sent policy letters to the commanders and I've spoken or written to each of you on several occasions. I intend to fully enforce every facet of AFR 35-10.

On a more positive note, holidays are upon us, and so is the summer. It's a time for relaxing and for having fun; but it's also imperative that we are conscious of the need for being safe. Let's survive the summer.

And finally, the July UTA brings with it the annual picnic. I'm looking forward to seeing all of you out there and sincerely hope that you can relax and enjoy yourselves.

The KyANG is more than a unit, it's a family. Let's look sharp and be sharp. We represent our state. Again, enjoy the summer and be safe.

Chaplain's Column

By Capt. Herbert Lattis
Chaplain

We tend to hear what we listen for. Regardless of how sound asleep

the dog is, it usually hears the sound of food poured into its bowl and runs to dinner wagging its tail approvingly.

A parent can sleep through the clatter of television, but will suddenly awake at the faint stirring of a child in the next room.

We tend to hear what we listen for.

Two men were walking along a crowded city sidewalk. Suddenly, one remarked, "Listen to the lovely sound of that cricket."

But his friend didn't hear the

sound. He asked his companion how he could detect such a sound amidst the roar of traffic and the noise of so many people.

The first man, a zoologist, had trained himself to hear the sounds of nature. Yet he chose not to explain. Instead, he reached into his pocket for a coin and dropped the half-dollar on the concrete sidewalk. Suddenly, a dozen people began to look about themselves.

"We hear," he said, "what we listen for."

Speaking of listening, have you heard anything from God lately?

Organist needed

We are in need of an organist or a pianist for the Protestant services at 9 a.m., Sundays. If you can help out with this need or know someone who can, please call the Chaplain's Office at on base 611.

Letters

Maryhurst

What a tremendous gift and surprise was your gift of \$500.00 to Maryhurst. You truly made our day!

Thank you for your thought of us and know that we are so very grateful. We have been in a school expansion program and our Phase I, of our three Phase development is almost up to its mark. Your gift has added to our ladder of success.

You have been generous to us in years past and I am so grateful for your continued interest and care of Maryhurst. It would be so very nice if you would come out to visit Maryhurst and see what your gift does for the girls we serve. Thank you again for thinking of them.

God bless each one of you and know that you share in our prayers.

Sincerely and gratefully,
Sr. M. Denise, administrator
Maryhurst

The Louisville Deaf Oral School

We thank the Kentucky Air National Guard so very much for your generous gift to the Louisville Deaf Oral School.

As a yearly contributor to our school, you will be proud to hear that the Louisville Deaf Oral School has been nominated for the Alexander Graham Bell Association for the Deaf, Program of the Year Award.

We are grateful for your contribution of \$500.00 which enables us to provide this nationally acclaimed program for deaf preschool children in this area. How fortunate these children are!

With Warm Regards,
Mrs. Arthur C. Peter
Board Member

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Capt Jeff Butcher.....PAO
SSgt Jenny Montgomery.....Editor
SRA Jeffry Sansbury.....Writer
TSgt Larry Farr.....Historian
Sgt Kathleen M. Stanek.....Typist
TSgt Terry Lutz.....NCOIC, Base
Photo Lab
SSgt Charles Simpson.....Photographer
SSgt Ed Brinley.....Graphic Arts

KyANG sergeant 'first' again

Expects to be here 'a long, long time'

Elizabeth J. Church, who in 1979 became the first female master sergeant of the Kentucky Air National Guard, now holds the distinction of becoming the first female senior master sergeant here.

With 15 years service in the Air Force and ANG, Sergeant Church has excelled through the ranks and proved herself as an important and dedicated member of the 123rd Tactical Reconnaissance Wing.

She enlisted in the Air Force in 1956 and served three years as a weather observer.

In 1973 she came to the KyANG as a computer operator, performing a variety of duties such as program operation, console setting and systems monitoring.

And in 1978, Sergeant Church assumed her present duties as the 123rd's Accounting Technician and NCOIC for its disbursement accounting.

"Needless to say, with my promotion also comes a trainload of additional work," laughed Sergeant Church. "But that's expected, and I plan on being here a long, long time."

Married and a mother of five, the Corydon, Indiana native is extremely active in several charitable and professional organizations, including the March of Dimes and the American Heart Association, of which she assists in helping raise funds and maintain budgets. She also enjoys being a private pilot and is one of the founders of the Civil Air Patrol Squadron at Standiford Field, of which she is commander.

Sergeant Church's educational background is truly indicative of her desire to improve herself. She has dedicated herself to the accounting profession, the Air Force and ANG. The majority of correspondence courses and the Associate's Degree she earned from Spencerian College are in direct relation to her position in the comptrollers office.

One additional note: Sergeant Church and her oldest son, Charles, became the first mother-son combination in the KyANG when he enlisted in 1979. Charles is about to begin an active duty tour in Germany this summer.



New uniform issue causes snags

Because of new Air Force Regulations requiring a slight break in trouser legs and a taper in the cuff, local demands for men's trousers and, to a lesser extent, blouses, have exceeded supplies on hand.

According to SSgt. Kenneth Shuler, NCOIC of Individual Equipment Branch, Base Supply, the popular sizes have almost been exhausted. Sergeant Shuler stated that supply is out of 33R, 34S, and 36R trousers and 38 small and 41 and 42 blouses in all cuts — short, regular, and long.

Fatigues apparently are more plentiful, but stocks of 30W 29L trousers and the 15 1/2 - 33 shirt are exhausted. "We have no 7 1/2 - 8 1/2 oxfords and are

also out of 7-1/8 and 7-1/4 garrison hats," Sergeant Shuler said.

Although these shortages will probably last for several months, resupply should begin well before the July drill, but not in time for the June UTA, he added.

Ensignia is especially in short supply at this time because a new Air Force policy requires that a basic issue be given to all active duty members upon each promotion. This has resulted in depleted stocks at Air Force depots.

Slacks for women's uniforms are adequate, with the exception of size 14 and larger slacks.

People are reminded that the In-

dividual Equipment Branch works on a first-come, first-served basis. Anyone with a short issue who has to go to a school on short notice need only to see Sergeant Shuler and pick up a Clothing Request Form (AF Form 656/655) which can be used to draw missing items at the active duty base. Males are reminded that the short sleeved epulet shirt is not an issue item and must be purchased at an Air Force base.

Sergeant Shuler recently received a Military Clothing Mail Order Procedures form and price list which outlines procedures necessary to order additional items. This list should be of particular importance to officers and should be available for distribution through his office by the July drill.

In History

FIVE YEARS AGO (June 1980)

- The ANG Technician Management Conference was conducted at Louisville, KY, under the guidance of Maj. Gen. Billy G. Wellman and Col. Carl D. Black. Topics discussed included "Classification" by Mr. Charles Walker, NGCCA; "Technician Benefits" by Mr. Lester Smith, NGB; "NGAVS Insurance" by Ms. Mary Sullivan; and "Vulcan Insurance" by Mr. Terry Chandler.
- Several VIP members of the Ogden Air Logistics Center made an official visit to HQ 123 TRW. Visitors included Maj. Gen. John J. Murphy, OALC commander; Col. Clarence L.

Coward, Jr., special assistant to the commander for ANG and AFR Logistics Management; and Maj. Ted Kehl, F-4 Weapons Systems manager.

- The 165 TRS aircrews performed visual and aerial photographic reconnaissance support for the 101 Airborne Division, Fort Campbell during Eagle Strike II.
- June 1980 marked the eleventh anniversary of the deactivation of the 123 TRW following the Pueblo Crisis call up.
- The 165 TRW/123TRW participated in the Rapid Deployment Forces Red Flag 80-04. Six RF-4C and 93 air personnel were deployed to Nellis AFB,

Nev. RDF-Red Flag involved more than 150 aircraft and was the largest simulated combat exercise ever staged by the Air Force.

- The 165 TRS reconnaissance missions included: Indiana airfield for USAF Thunderbirds; 18 projects for the Ohio ANG; Churchill Downs for the Louisville Police Department; Jefferson air to ground range for Michigan ANG; and the Dayton Air Show for Wright-Patterson AFB, Ohio.



Two RF-4C Phantoms taxi for their first REP sortie.

Crews simulate combat



SRA Carol Fultz tracks REP sortie progress.



Major Lloyd Rowland, REP director, briefs 1st Lt Mike Warner on operation procedures.

continued from 1

"REP is not an ORI," cautioned Capt. James S. L. Bradshaw, REP operations officer.

Crews went through a full-scale "simulated" combat scenario involving day and night missions. Aircrews were restricted to .92 mach and 300 feet above ground level. They were frugged against tactical targets (e.g., airfields, bridges, electronic sites, etc.).

The primary day profile was flown on a published visual low level route which contained target 1. The next leg was through a military operating area where the aircrews were subjected to aircraft attack while at low altitude. The airborne interceptors were TAWC F-15s and F-16s aircraft simulating MIG-23s and MIG-21s protecting target 2. Mission aircraft then penetrated the Eglin land ranges at low altitude to acquire target 3 using tactical maneuvering, ECM and CHAFF against various simulated air defense systems. Ground threats were monitored through a centralized control facility.

"This was much harder than Red Flag because they are throwing more things at us and we are vulnerable for a constant 25 minutes," remarked Capt. Peter O. Kayser, a 123rd TRW aircrew member.

Crews were assigned three targets per mission. In all, some 36 sorties were flown. Day 1 involved 12 singleship missions. Days 2 and 3 had six daylight and six nighttime missions lasting approximately one hour flight time.

Maintenance support was a key element to the total success of the REP mission. "In the past, every unit had to fly one or two spare aircraft into Eglin to maintain fully mission capable airframes," pointed out MSgt. Thomas L. Washington, chief maintenance REP support division.

The KyANG flightline crews were able to repair any serious problems and scored a first in their area, too. Of the

36 missions, only one fell short with an air abort for stability augmentation system (roll) reasons. The lone ground abort was charged to a 4485th TS chase Phantom II. During the last day of the REP maintenance, quality control conducted a flightline inspection. Maintenance was issued an excellent rating for existing conditions.

Aircrews were evaluated on low-level, high-speed maneuvers; tactics vs. air/ground attacks; formation tactics; ECM/chaff tactics; system reliability; and target acquisition.

Each mission was taped. Both the front seater and back seater were given tape recorders and instructed to talk their way through the maneuvers. (This was a new encounter for aircrews.) A chase phantom, RF-4C or F-4E, followed to verify aircrew performance and as a safety value. Each chase crew front seater was a certified instructor pilot. Safety of flight was stressed daily during crew briefs.

Maj. Larry Zettwack, one of the senior 123rd TRW aircrew members, on the third day of activities said, "The 25-minute REP exercise seemed like two hours, with all we had to do to get the three targets."

Real experience gained was another factor. Brig. Gen. John L. Smith, KyANG commander, told the REP briefing team, "Previously, every Recce outfit developed their own tactics. Now we can bring some meaningful uniformity into the system and make it safer for our crews."

Historical reports from the Southeast Asia Conflict documented that 80 percent of the Recce kills came about when the crews never saw the air or ground threat.

Major Rowland maintains, "When we can visually see the aggressor, we can out-manuever them." Training in this area was clearly established as a must for individual units.

After years of sending husbands off to fly, wives get to go



Faye Fleming watches and listens as her husband, Maj. John Fleming explains the rear cockpit to Karen McVey, wife of 1st Lt. Steven McVey, and Vicki Ketterer. In the front cockpit are Capt. Dave Studebaker and his wife, Diana. (KyANG photo by SSgt. Charles Simpson).

For the wives of Kentucky Air National Guard pilots, the dreams and curiosities of coming to work with their husbands are endless, yet accepted by most. And even though the pilots are on duty just part time, most of them spend two or three days a week brushing up on their flying skills.

But after years of sending their husbands off to fly, these women got to go too.

Called "Sentry Partner," about 40 of the women got the chance during the April UTA to visit the base, tour the 123rd's base operations and then go aloft to watch their husbands' RF-4C aircraft refuel in flight. The unit obtained permission from the Pentagon for the outing, as other active, Guard and Reserve units have also done recently.

"We get very much into the routine of things around here," said Capt. Rick Ash. "To have someone different taking part helps restore the novelty."

Lying on their stomachs at 21,000 feet, two women at a time saw the jets flying alongside the KC-135 tanker's wings. Each was able to call their pilot's plane to the chute, then look down as the jets docked from 20 feet to take on 600 gallons of fuel in 90 seconds.

Bert Smith, who is married to the unit's wing commander, Brig. Gen. John L. Smith, said she could hardly sleep the night before. "I never really thought the opportunity could come," she said. "How often do women get to see what their husbands do?"

Sentry Partner is designed to provide orientation rides for the wives of air crew members and gives them a chance to see what their husbands do on their "extra" job in the Guard.

At lunch breaks during the tour and at parties that night, the atmosphere was a little different. While their husbands stood in groups talking about flying, the wives did too!



Vicki Ketterer, wife of Capt. William Ketterer, 165th Tactical Reconnaissance Squadron, listens as Maj. John Fleming, 165th TRS, briefs her on the RF-4C. (KyANG photo by SSgt. Charles Simpson)

Defrauding, waste back in news

By Lt. Col. Dwight Pounds
Deputy Commander for Resources

For a subject which is no longer a special interest item to the Air Force, FRAUD, WASTE and ABUSE has certainly been receiving a lot of national publicity lately.

Since the April drill, at least four articles have appeared in Louisville area newspapers with such headlines as "GE PLEADS GUILTY TO DEFRAUDING U.S. AIR FORCE," "AUDITORS FIND 'INEXCUSABLE' CHARGES BY DEFENSE CONTRACTORS," and "PENTAGON WASTE THREATENS THE ARMS PROGRAM."

General Electric has agreed to reimburse the DOD \$800,000 and \$1 million on two different contracts. The company has an alleged \$4.51 billion in contracts with the DOD, making it the nation's no. 6 defense contractor.

Secretary of Defense Casper Weinberger has announced a "get tough"

policy with defense contractors, having been stung not only by the horror stories of huge overcharges, but by smaller ones as well. Examples include the \$600 toilet seat, the \$387 claw hammer, a \$10 diode, a \$2,043 nut, a \$652 tool box and a \$258 phillips screwdriver.

Many bills also have been submitted by contractors for questionable services, such as \$959 for a golf outing, \$100 for a disco entertainer, \$523 for entertaining foreign guests, \$10,713 for losses to a barbershop, and \$1,099,619 for employee cafeteria's operating losses.

pathetic, some humorous, all outrageous.

While a Recce unit is not a defense contractor, we still CONSUME their products on a daily basis. Our responsibility for the proper USE of all government assets and services is no less than that of the defense contractors for production.

Consider this reminder:

FRAUD concerns intentional misleading or deceitful conduct which deprives the government of its resources or rights.

WASTE means extravagant, careless or needless expenditure of government resources, resulting from deficient practices, systems, controls or decisions.

ABUSE refers to intentional wrongful or improper use of government resources. Rank, position and authority can be abused as easily as an engine, building, aircraft or automobiles can be MISUSED, or MISMANAGED.

The FW&A monitors will meet in the CAM conference room June 2 at 1 p.m. Copies of the reports discussed in this article will be distributed to each unit representative who will make them available to all interested members.

FW&A Hotline: Autovon — 227-1061.

OERs play major role in promotion

Officer Effectiveness Reports are a vital tool in providing objective means of making a career decision concerning officers, according to 2nd Lt. Denny Lewis, chief personnel utilization, 123rd Combat Support Squadron.

Two changes have been made to writing procedures and more emphasis is being given to OER contents.

"We've been taking OERs too lightly," Lieutenant Lewis said. "OERs should build a history over the years stating the person has potential for added responsibility and authority," the lieutenant added.

The National Guard Bureau released a guide to complement and be used with Air Force Regulation 36-10 in preparing OERs. The guide is aimed at raters, additional raters and indorsers. According to the guide, following the suggestions given should help writers prepare an OER that will be understandable, meaningful and worth reading.

"The promotion system is inflated today," said Lieutenant Lewis. "We have

been getting packages sent forward for promotion returned too often because key phrases are not there."

If an officer is trying to get promoted to O-5, the chances are slim if he does not have a good OER background, Lieutenant Lewis explained.

Key phrases to be used in an OER, if the person is deserving, include:

- "Promote ahead of peers;"
- "Promote first time individual qualifies;"
- "Send to Professional Military School in residence."

Even if the person is not eligible for promotion when the OER is submitted, it is important for these key phrases to be included if the person is to be promoted late in the career, Lieutenant Lewis explained.

"More and more, the guard and the Air Force are moving closer together," Lieutenant Lewis said. "For things like PME schools, the competition is much tougher, and a strong OER is important."

If the Air National Guard receives three

quotas to the Squadron Officer School or the Air Command and Staff College, the guard is only going to take the best, explained Lieutenant Lewis. The best are chosen from well-written OERs that say the person deserves a PME school. "If a person has been to a PME school, it shows he is a top-notch person!"

Lieutenant Lewis briefed 80 percent of the flight crews and the commanders on the Guard Bureau Guide during the May drill. He emphasized the importance of the OER and the importance of using the suggestions given in the guide.

Two changes have also been made to the OER process. The additional rater's comments must be made by the rater's supervisor.

The key phrase, stating the person deserves a promotion, must be carried over into the additional rater's comments and the indorser's comments. "These substantive comments must now be in the last two OERs, rather than just the last one," Lieutenant Lewis said.



MSgt Norman Fisher, (left) and A1C Timothy Gilbert review standing security instructions before going on duty in the Pantherland area at Ramstein.

123rd WSSF deploys

The 123rd Weapons Systems Security Flight gave an impressive performance last month when they deployed to Ramstein AB, Germany.

All 44 members participated in "Creek Warrior," an operation that tested the in-place security unit at Ramstein, and in addition, tested the efficiency of the 123rd WSSF in the deployment phases of such an exercise.

"It was brief, but intense," said SSgt. Phillip Grate, a member of the 123rd.

"The working schedule was 12 hours a day, three days on and three days off."

The exercise was the first overseas deployment the WSSF has participated as a "total flight," according to Capt. Kenneth Peters, Chief of the 123rd WSSF.

The unit stopped for one night at Goose Bay, a Canadian air base in Newfoundland, and then refueled in England, before arriving at Ramstein April 28.

Legal Briefs

By Capt. Gary Napier
Legal Officer

The prime rate is astronomical. Prevailing high interest rates make it nearly impossible to get ahead. The inflation rate although better in recent years, continues to outpace salary growth.

With a tightening Federal budget there is continual pressure to cut social security and reduce the military retirement system. The financial future is ominous. Financial planning is no longer merely wise, it is crucial.

An Individual Retirement Account just may be the way to offset the decline in spending power of a working person's retirement. IRAs have been provided by Congress to benefit a wage earner. They have the express blessing of the IRS.

Here's how they work. By contributing to a qualified plan, you may

deduct up to \$2000.00 of your yearly wages from your taxes (\$2250 for a married couple).

The tax benefits are obvious. Not only do you subtract up to \$2000 off the top of your yearly taxable income, you are not taxed on this income until you withdraw your money from the plan. Theoretically this will occur after your retirement when you are in a much lower tax bracket and the proceeds of the IRA are therefore taxed at a lower tax rate. IRA contributors do not avoid income tax, they only defer it until it can be taxed at a lower rate.

And where does the money go? That's entirely up to you. There are many types of IRA's. Nearly all banks and brokerage houses offer IRA's. You can even manage your own. Your money can be invested in stocks, bonds, mutual funds, notes, certificates of deposit, real estate, etc.

You can even switch between in-

vestments. The choice of where and what to invest in is entirely up to you. If this sounds complicated, it really isn't. Any banker, broker or attorney would be happy to explain it to you.

IRA's are an excellent means to discipline oneself to save money. However, you should not view an IRA as merely a savings account. The one tax disadvantage is that there is a substantial tax penalty if you withdraw the money early, before your retirement years. Remember, this is a retirement account. Properly used this can be an excellent investment and a great tax savings.

In today's economy, the time to start planning for your retirement is the day you begin your career. Don't wait until close to your retirement to start planning your financial welfare in your elderly years. If you do, you almost assuredly won't live comfortably in your retirement years.

Scientists study energy, predict possible sources

With the prospect of a continuing energy shortage over the next several decades now accepted as fact by most authorities, a number of groups have been formed to study the problem, assess the size and seriousness of it, and make suggestions as to what we should do.

Now comes the result of perhaps the most impressive of such studies to date. It was performed by the International Institute for Applied Systems Analysis in Vienna, using teams of scientists from 20 countries including the United States and the USSR. It is by all odds the biggest and perhaps the first truly global and long-term examination of the energy situation.

It took seven years to complete, and it looks 50 years into the future. Among the principal conclusions: Worldwide population will double to eight billion during the next half century. Even with only moderate growth and with extensive conservation,

global energy demand will expand to three to four times today's demand. Meeting this demand will require the full use of all available energy sources - oil and gas, solar, renewables, and nuclear.

The transition from heavy reliance on oil and gas to an economy based on renewable energy sources will actually be a double transition. The first will be from relatively cheap and clean conventional sources of oil and gas to more expensive and dirtier ones such as coal. It will continue through about 2030.

The second, to the essentially endless sources of solar, nuclear, and renewable forms of energy such as wind, biomass, and ocean thermal energy, will go on until late in the next century. But once that transition is completed, says the report optimistically, such a system should be able to sustain the then-anticipated global population of approximately 10 billion people for many centuries.

Sports

Guard bowlers net 4th in tournament

The 23rd annual Air National Guard Bowling Tournament was held May 9-12 at Phoenix, Ariz. The 123rd TRW was represented by three teams, one of which made an impressive finish. Glenn Farquhar, Dennis Hall, John Hourigan, Lou Price and Dee Reggle finished in fourth place out of the nearly 200 teams that participated. Congratulations to them.

Kentucky was also successful in their bid for the 25th annual ANG Bowling Tournament in 1987. The 123rd representatives in Phoenix, Ariz.,

waged a tough campaign. Nearly all of the participants (and many nonparticipants) were wearing "Vote Louisville in 1987" ribbons and Louisville pins. Kentucky defeated Houston, Texas in a landslide vote count at the delegates meeting. The tournament is expected to draw between 1,000 to 5,000 bowlers to Louisville and will require many volunteers and much hard work. Next year the tournament will be held in Detroit. Kentucky will also host a hospitality room there.

Men's, women's softball season

The softball season is underway. The KyANG Athletic Association is spon-

soring one women's and two men's teams this year. The women play each Monday night at Cherokee Park Hogan's Fountain Field. The men play each Tuesday night at Resurrection Catholic Church, Poplar Level Road.



Bits-n-Pieces

SO LONG: The following have recently been honorably discharged from the KyANG. Our sincere thanks to all of you, and good luck!

Capt Clifford D. Chambers
1Lt Steven A. Bias
TSgt William H. Harkins, Jr.
SSgt Mary A. Swift
SSgt Stephen C. Davis
SSgt Paul S. Hellman
SSgt Maureen W. Morales
SSgt Stanley B. Schlageter
SSgt Milissa L. Smith
SSgt John E. Anderson
SSgt Randy D. Johnson
SSgt Robert L. Powers
SSgt David (NMI) Rose
SSgt Joseph D. Lyvers
SSgt Larry M. Bonnafon
Sgt Walter E. Winninger
Sgt Garry B. Brock
Sgt Stacy K. Shaw
Sgt Daniel J. Duane III
SRA Mark L. Jones
SRA Marilyn A. Chapman
SRA Paul L. Fowler
SRA David G. Montgomery
A1C Dana L. Fontana
Amn Carl E. Boyd
Amn Kerry J. Pierce
Amn Anthony T. James
AB Anita C. Anthony

The following individuals have received the following awards:

Kentucky Merit Ribbon
Major Forrest P. Nelson
SSgt Michael E. Walters

Kentucky Distinguished Service Medal
BGen Wess P. Chambers

Kentucky Commendation Ribbon
TSgt Terry W. Lutz
TSgt Thomas W. Smith
SSgt Charles R. Simpson
Sgt Hubert L. McCorkle

Air Force Achievement Medal
Capt Howard P. Hunt III
TSgt Larry T. Brannin
TSgt Peggy L. Kottak
SSgt Frank G. Young

Congratulations on recent promotions:

TO: LT COL
Russell L. Durham

TO: MAJOR
Jerald R. Yankee

TO: CAPT
Mark R. Kraus
Gregory J. Lebre

TO: 1LT
Steven A. McVey
Michael L. Warner

TO: CMSGT
James R. Rogge

TO: SMSGT
Douglas D. Dalton
Louise A. Roy
Jimmie H. White

TO: MSGT
Walter B. Whitton

TO: TSGT
Elizabeth D. House
James C. Amburgey, Jr.

Patrick J. Fields
John L. Rogers
Dorenda K. Stackhouse

TO: SSGT
David R. Benson
Troy A. Ciukaj
Donald G. Clute
William S. Deal
Johnnie L. Hensley
Dean S. Portman
Ronald J. White
Robert L. Brown, Jr.
Marvin A. Crooks
Curtis R. Carpenter
Gerald W. Harris
Charles M. Jones
Jon J. Kiefer
Wilfred R. Wright

TO: SGT
Karen M. Renn

TO: SENIOR AIRMAN
Michael G. Baxtron
Mark E. Cox
Stephen D. Gruner
Catherine J. Mickelberry
Edwin F. Miller
Raymond E. Palazzo, Jr.
Patrick L. Patterson
Jeffrey T. Rogers
William R. Roth II
Jeffrey S. Sansbury
Ricky D. Smith
Thomas K. Bolton, Jr.
Robert M. Cain
Danny L. Cox
Florine D. Curtis
Stephen M. Green
Johnny L. Holton
Janice S. Lacefield
Colleen A. O'Brien



Retiring

MSgt. Richard Ellingsworth, transit alert, supervises SSgt. Marvin Allen on the installation of a seal on the wing fuel dunt of an RF-4C. Sergeant Ellingsworth has been in the Air National Guard since 1957 and will retire June 26. He also served four years active duty. (KyANG photo by TSgt. Terry Lutz).



Honor Graduate

2nd Lt. Denny Lewis, Chief Personnel Utilization, discusses a personnel question with SSgt. Roy Denison. Lieutenant Lewis was selected as honor graduate from the 5½ week Personnel Officer Course at Keesler AFB, Miss. A former master sergeant, the lieutenant has been in the Air National Guard for 10 years and served four years active duty. He has also been a medic and a recruiter. (KyANG photo by TSgt. Terry Lutz).

UNT/UPT

2nd Lt. Jude Beyerle, 123rd Tactical Reconnaissance Squadron, graduated number one from Undergraduate Navigators Training at Mather AFB, Calif., in April. Lieutenant Beyerle is currently attending TAC Navigator Training in Boise, Idaho.

2nd Lt. Brad Richey, 123rd TAS, graduated from Undergraduate Pilots Training at Vance AFB, Ok., in April. Lieutenant Richey is attending RF-4C training in Boise, Idaho until November.



Excellent Average

Capt. Daniel Wells, Chief Base Admin, works on a memo of record for the Base Administration Security Meeting. Captain Wells graduated with honors from the Admin Officers Course at Keesler AFB, Miss. Captain Wells has been in the Air National Guard for six years and served 2½ years active duty. (KyANG photo by TSgt. Terry Lutz).